Ile Val Leu Cys Met Ser Leu Ser Lys Leu Gly Leu Pro Gly Ser Arg
245 250 255

Cys Gly Ile Ile Ile Ala Asn Glu Lys Ile Ile Thr Ala Ile Thr Asn 260 265 270

Met Asn Gly Ile Ile Ser Leu Ala Pro Gly Gly Ile Gly Pro Ala Met 275 280 285

Met Cys Glu Met Ile Lys Arg Asn Asp Leu Leu Arg Leu Ser Glu Thr 290 295 300

Val Ile Lys Pro Phe Tyr Tyr Gln Arg Val Gln Glu Thr Ile Ala Ile 305 310 315 320

Ile Arg Arg Tyr Leu Pro Glu Asn Arg Cys Leu Ile His Lys Pro Glu 325 330 335

Gly Ala Ile Phe Leu Trp Leu Trp Phe Lys Asp Leu Pro Ile Thr Thr 340 345 350

Lys Gln Leu Tyr Gln Arg Leu Lys Ala Arg Gly Val Leu Met Val Pro 355 360 365

Gly His Asn Phe Phe Pro Gly Leu Asp Lys Pro Trp Pro His Thr His 370 375 380

Gln Cys Met Arg Met Asn Tyr Val Pro Glu Pro Glu Lys Ile Glu Ala 385 390 395 400

Gly Val Lys Ile Leu Ala Glu Glu Ile Glu Arg Ala Trp Ala Glu Ser 405 410 415

His

<210> 72

<211> 8803

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Recombinant
pAN294 plasmid

<400> 72

tgcgccgcta cagggcgcgt ccattcgcca ttcaggctgc gcaactgttg ggaagggcga 60 tcggtgcggg cctcttcgct attacgccag ctggcgaaag ggggatgtgc tgcaaggcga 120 ttaagttggg taacgccagg gttttcccag tcacgacgtt gtaaaacgac ggccagtgaa 180 ttgtaatacg actcactata gggcgaattg ggcccgacgt cgcatgctgg atgaaaagcc 240 gatgaccgct tttcaggtct gtcagcagct ttttcctgct gtatatgaaa aggaattgtt 300 tttaacgatg tcagaaacgg caggtcacct tgatgtgtg gaggctgaag aagccatcac 360 gtcatattgg gaaggaaata ccgtatactt taaaacaatg aagaggtgaa atgggtgaaa 420

catatagcgg gaaaaaggat ttggataacc ggcgcttcag gagggcttgg agaaagaatc 480 gcatacttat gcgcggctga aggagcccat gtcctgctgt cggctagacg cgaggatcgt 540 ttgatagaaa tcaaaaggaa aataaccgag gaatggagcg gacagtgtga gatttttcct 600 ctggatgtcg gccgcctaga ggatatcgcc cgggtccgcg atcagatcgg ctcgattgat 660 gtactgatta acaatgcagg cttcggtata tttgaaacgg ttttagactc tacattggat 720 gacatgaaag cgatgtttga tgtgaatgtc ttcggcctga tcgcctgtac aaaagcggtg 780 cttccgcaaa tgcttgagca aaaaaaggga catatcatca atatcgcctc tcaagcgggg 840 aaaatcgcca caccgaagtc tagcctgtat tccgcgacca aacatgccgt gttaggttac 900 tcaaacgctt tgcggatgga gctttcggga accggcattt atgtgacaac agtcaacccg 960 ggcccgattc agacggactt tttttccatt gctgataaag gcggggacta cgccaaaaat 1020 gtcggccgct ggatgcttga tcctgatgac gtggcagctc aaattacagc tgcaattttt 1080 acgaaaaagc gggagatcaa tetteegegt ttaatgaatg eeggeactaa getgtateag 1140 ctgtttccag ctcttgtaga aaagctggca ggacgcgcgc tcatgaaaaa ataatgatag 1200 aactgcctgt ggtggagtgg cttgtttctc acggggcagt ttttgatagt ggaagggaga 1260 gattgttgaa tgtcagttca ttcagaagtc cttcatgctc tgcttaaaga tccgtttatt 1320 cagaaactga ttgatgcaga gcctgtattc tgggcaaatt caggcaagaa agaggggcca 1380 ttaccccgtg cagatgagtg ggcaaccgag atagcggaag cggaaaaaag aatgcagcgg 1440 tttgcacctt acattgccga ggtgtttcct gagacgaaag gcgctaaagg aatcatcgag 1500 tctccgcttt ttgaggtgca gcatatgaag ggaaagctgg aagcggcata tcagcagcca 1560 tttcccggaa gatggctttt aaagtgcgac catgagcttc cgatttcagg atcgattaaa 1620 gcgaggggcg ggatttatga agtgttaaag tatgctgaaa atctcgcgct tcaagaagga 1680 atgcttcagg aaaccgatga ttaccgcatc ttacaggaag agcggtttac cgggtttttc 1740 tcccgctatt cgattgctgt cggttcgaca ggaaatctag gtttaagcat cggcatcatc 1800 ggcgcggcac tcgggtttcg cgtgacagtg catatgtccg ccgatgctaa gcagtggaaa 1860 aaggatetee teegeeaaaa gggagteaet gttatggagt aegaaacaga ttacagtgaa 1920 gcggtgaacg aagggagacg gcaggcggaa caagatccat tctgttattt tattgatgat 1980 gaacattctc gtcagctgtt cttaggatat gctgttgctg caagccgatt aaaaacacag 2040 cttgactgta tgaatataaa gccaagtctt gagacgccct tgtttgtgta tctgccgtgc 2100 ggagtcggcg gaggaccggg cggtgtagca tttgggctga agcttttata cggagatgat 2160 gttcatgtgt ttttcgcaga accaactcat tcaccttgta tgctgttagg gctttattca 2220 ggacttcacg agaagatctc cgtccaggat atcggcctgg ataatcagac ggctgctgac 2280 ggacttgccg tagggaggcc gtcaggattt gtcggcaagc tgattgaacc gcttctgagc 2340 qqctqttata cqqtaqaqqa caatacqctt tatactttqc ttcatatqct qqctqtatct 2400 gaagataaat atttagagcc ctctgctctt gctggcatgt tcgggccggt tcagcttttt 2460 tcgacagaag agggaaggcg ctatgctcag aaatataaga tggaacatgc cgtacatgtc 2520 gtctggggaa cgggaggaag catggttcca aaagatgaaa tggctgcgta taaccgaatc 2580 ggtgctgatt tgctaaaaaa acgaaatgga aaataagcag acagtgaaaa ggttttccgt 2640 tacaatcttt gtaagggttt taacctacag agagtcaggt gtaaacagtg aaaaataaag 2700 aacttaacct acatacttta tatacacagc acaatcggga gtcttggtct ggttttgggg 2760 ggcatttgtc gattgctgta tctgaagaag aggcaaaagc tgtggaagga ttgaatgatt 2820 atctatctqt tgaagaagtg gagacgatct atattccgct tgttcgcttg cttcatttac 2880 atgtcaagtc tgcggctgaa cgcaataagc atgtcaatgt ttttttgaag cacccacatt 2940 cagccaaaat tccgtttatt atcggcattg ccggcagtgt cgcagtcgga aaaagcacga 3000 cggcgcggat cttgcagaag ctgctttcgc gtttgcctga ccgtccaaaa gtgagcctta 3060 tcacgacaga tggtttttta tttcctactg ccgagctgaa aaagaaaaat atgatgtcaa 3120 gaaaaggatt tcctgaaagc tatgatgtaa aggcgctgct cgaatttttg aatgacttaa 3180 aatcaggaaa ggacagcgta aaggccccgg tgtattccca tctaacctat gaccgcgagg 3240 aaggtgtgtt cgaggttgta gaacaggcgg atattgtgat tattgaaggc attaatgttc 3300 ttcaqtcqcc caccttqqaq qatqaccqqq aaaacccqcq tatttttgtt tccgatttct 3360 ttgatttttc gatttatgtg gatgcggagg aaagccggat tttcacttgg tatttagagc 3420 gttttcgcct gcttcgggaa acagcttttc aaaatcctga ttcatatttt cataaattta 3480 aagacttgtc cgatcaggag gctgacgaga tggcagcctc gatttgggag agtgtcaacc 3540 ggccgaattt atatgaaaat attttgccaa ctaaattcag gtcagatctc attttgcgta 3600 agggagacgg gcataaggtc gaggaagtgt tggtaaggag ggtatgaaat gtgctgcagc 3660 tcgagcaata gttaccctta ttatcaagat aagaaagaaa aggatttttc gctacgctca 3720 aatcetttaa aaaaacacaa aagaccacat tttttaatgt ggtetttatt etteaactaa 3780 ttatgttaca gtaatattga cttttaaaaa aggattgatt ctaatgaaga aagcagacaa 3900 gtaagcctcc taaattcact ttagataaaa atttaggagg catatcaaat gaactttaat 3960 aaaattgatt tagacaattg gaagagaaaa gagatattta atcattattt gaaccaacaa 4020 acgactttta gtataaccac agaaattgat attagtgttt tataccgaaa cataaaacaa 4080